Basic structure:

```
{{Template:Team:Teamname/filename.css}}          import .css style file
{{Template:Team:Teamname/filename}}              import file (e.g. a template)

<html>                                           open html environment
<style>                                          open style environment
   :                                             all style element declarations
</style>                                         close style environment
<head>                                           open head environment
<title>Title of Page</title>                     define title
</head                                           close head environment
<body>                                           open body environment
   :                                             all body definitions
</body>                                          close body environment
</html>                                          close html environment
```
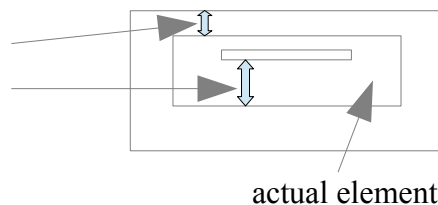
Style:

What you can alter:

(text-)align:	right, left, center, justify	orientation of text / objects:
border:	size in px	border of text / graphics / table
width:	size in px / % / auto	width of element
height:	size in px / % / auto	width of element

margin-top (/right / left / bottom):   size in px

padding-bottom (/top / right / left):   size in px

actual element

Text:

Write text:

```
<p>...</p>              environment for writing with paragraph
<br>                    end-of-line
```

Text alignment:

css:

```
p{
    text-align:right;
}
```

style in html

```
<p align="right">...</p>             right-aligned
```
or
```
<p style="text-align:right;">...</p>  right-aligned
```

Text formating:

heading:

```
<h1>...</h1>                    heading in biggest size (try h2,...)
<h1 style="color:red">...</h1>   heading in biggest size colored red
```

special character:

ä	ä	Ä	Ä
ö	ö	Ö	Ö
ü	ü	Ü	Ü
ß	ß		
&	&		

attributes:

...	bold
<i>...</i>	italic
<u>...</u>	underlined
<strike>...</strike>	striked out
...	smaller text size
<big>...</big>	bigger text size
^{...}	superscript
_{...}	subscript

color:

<color="red">...</color>	define color red
<color="#00C0C0">...</color>	define color blue-green
...	colors words in red

Graphics:

Upload manager:

- http://2014.igem.org/Special:Upload
- Select file
- Type in destination filename
  - Teamname_YY-MM-DD_filename.jpg
- Optional: description in summary box
- Click: upload file
- View file in file list: http://2014.igem.org/Special:ListFiles
- Click on file
- Click on image
- Save link in extra document for further use

Include graphic in HTML

<img src="http://2014.igem.org/wiki/images/X/XX/Teamname_YY-MM-DD_filename.jpg">

spacing:

hspace	spacing to lateral text
vspace	spacing to upper text

centering:

<center><img...></center>	center image
<img.... align="middle">	center image
<img src="..." style="float:left">	displays images next to each other (also possible: float:right)

Table:

Basic structure:

`<table>`	open table
`<tr>`	open line
`<th>...</th><th>...</th>`	open different cells for header (optional)
`</tr>`	close line
`<tr>`	open line
`<td>...</td><td>...</td>`	open different cells for input
`</tr>`	close line
`</table>`	close table

Attributes:

border="1"	thickness of border
cellspacing="1"	distance of grid cells to each other
bgcolor="red"	color of background
bordercolor="red"	color of table border
width ="70%"	width relative to browser width
align="right"	orientation right
colspan="2"	combine cells next to actual cell
rowspan="2"	combine cells below to actual cell

Itemization:

Itemization: (unordered list)

`<ul>`	open first level
`<li>first line</li>`	first line
`<li>second line</li>`	second line
`<ul>`	open second level
`<li>first line</li>`	first element of second line
`</ul>`	close second level
`</ul>`	close first level

Enumeration: (ordered list)

`<ol><li>...</li></ol>`	nummeric
`<ol type="a"><li>...</li></ol>`	enumeration with small letters
`<ol type="A"><li>...</li></ol>`	enumeration with capital letters
`<ol type="i"><li>...</li></ol>`	roman enumeration (small)
`<ol type="I"><li>...</li></ol>`	roman enumeration (big)

hint: you can nest <ul> and <ol> randomly.

Link:

    external:

        `<a href="http://2014.igem.org/Teamname">Text of link</a>`

    anchor:

        `<a name="picture..."></a>`   set anchor

        `<a href="#picture..."></a>`   link to the anchor

    attribute:

        `<a href="..." target="_blank">...</a>`   opens link in new tab

CSS:

    Creation:

- Enter http://2014.igem.org/Template:Team:Teamname/filename.css
- Click "edit this page"

    Basic structure:

        `<html>`   open html environment

        `<style type="text/css">`   open style css environment

        :   define all css styles

        `</style>`   close style css environment

        `</html>`   close html environment

    Class / ID:

- Class (#) has a higher value than ID (.)
- use ID for elements which occure once per page
- Select element for which you want to create attributes
- i.e:

        `#element{`

           `font-size: 5px;`

           `background-color: red;`

           `margin-left: 10px;`

        `}`

- Usage in HTML documents:

        `<p class="element">...</p>`   paragraph class element

        or

        `<div class = element">...</div>`   element class element

    Creation:

- Finish creation with "save page"
- Include .css file like on page 1

Set background image:

Define a css style:

```
body{
        background: black url("http://2014.igem.org/wiki/images/X/XX/Teamname_
            YY-MM-DD_background.png");          link to background image
        background-size: 100% auto;             original size of background
        background-position: center top;        position of the background
        background-repeat: no-repeat;           shows background only once
        background-attachment: fixed;           background does not scroll
}
```

Set button background:

Define a css style:

```
#button{
        background-image:url("http://2014.igem.org/wiki/images/2/29/Teamname
            _YY-MM-DD_button_background.png");
        background-size: 100% 100%;
}
```

Use it in your body:

```
<body>
        <div id="button"><a href="...">Home</a></div>
</body>
if whole button should be clickable
<body>
        <a href="..."><div id="button">Home</div></a>
</body>
```

Set text font:

```
<p font-family="Arial">...</p>                   set text in font arial
<p font-size="12pt">...</p>                       set text in size 12pt
                                                  (in px also possible)
```

Helpful pages:

- http://de.selfhtml.org/   anything for html code
- http://meatballwiki.org/wiki/WikiMarkupStandard   anything for wiki code

Hints:

- Use show function of the wiki instead of saving each time
    - The show function do not always show the real apperance!
- First steps can be done in a .txt file
    - Open editor
    - Save file as "name.html" and select *Save as* "all types of files"
    - Open file in browser
- Create a style in .css for the text (.text{....}) and use <p class="text">....<p> in body

foto: sebastian kaulitzki

Code example:

css structure:

```
<html>                          open html environment
<style type="text/css>          open css type environment
.myText{                        start editing own style (with . or #)
        text-align:center;      altering text alignment
        margin-left:10px;       altering margin
}                               end editing own style
h1{                             start editing existing style
        text-align:left;        altering text  alignment
        padding-left:10px;      altering padding
}                               end editing own style
</style>                        end css type environment
</html>                         end html environment
```

using css:

class:

.css:

```
.myText{
        font-size:12px;
}
```

body:

```
<p class="myText">...</p>
```

ID:

.css:

```
#myText{
        font-size:12px;
}
```

body:

```
<p id="myText">...</p>
```

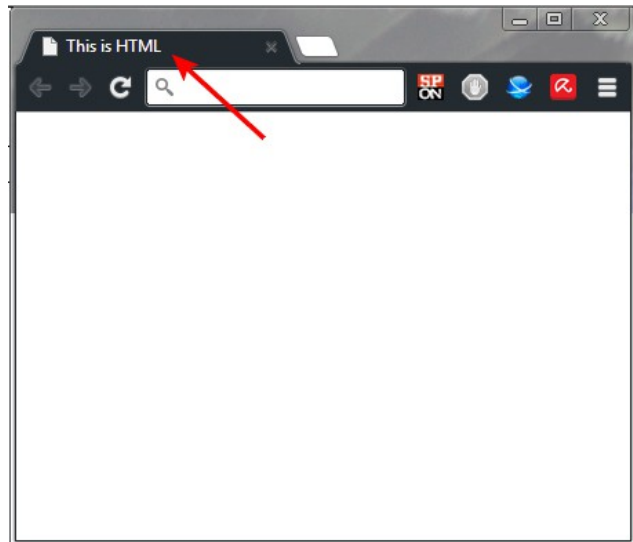| Code	Browser view

```
<html>

<style>

</style>

<head>
        <title>
                This is HTML
        </title>
</head>

<body>

</body>


</html>
```
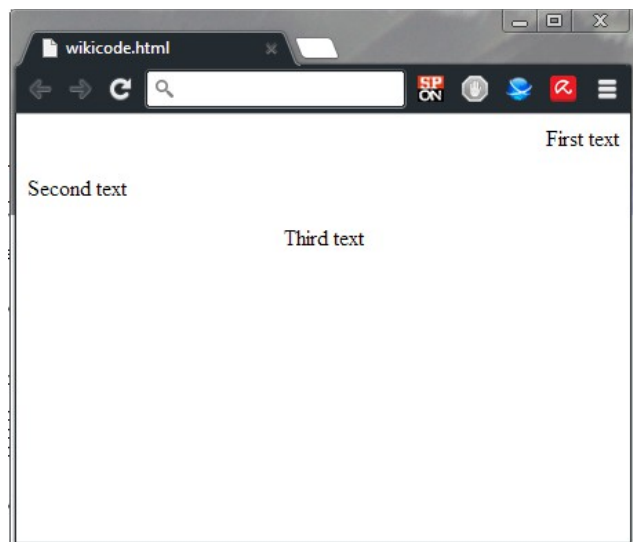
```
<html>

<style>

</style>


<body>

<p align="right">First text</p>
<p align="left">Second text</p>
<p align="center">Third text</p>

</body>


</html>
```
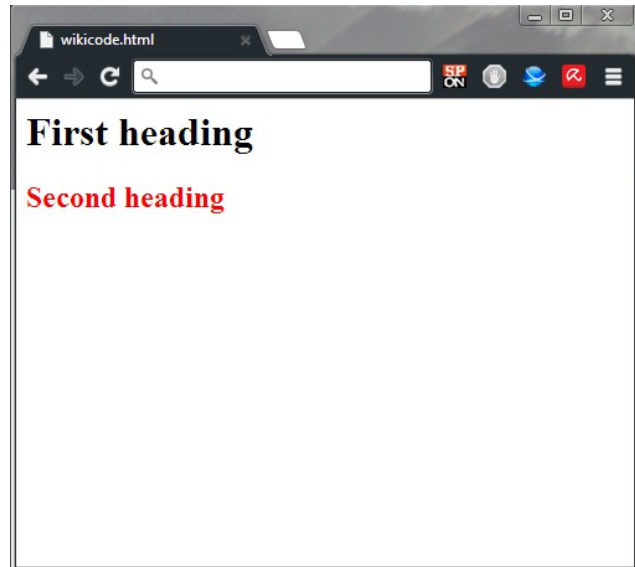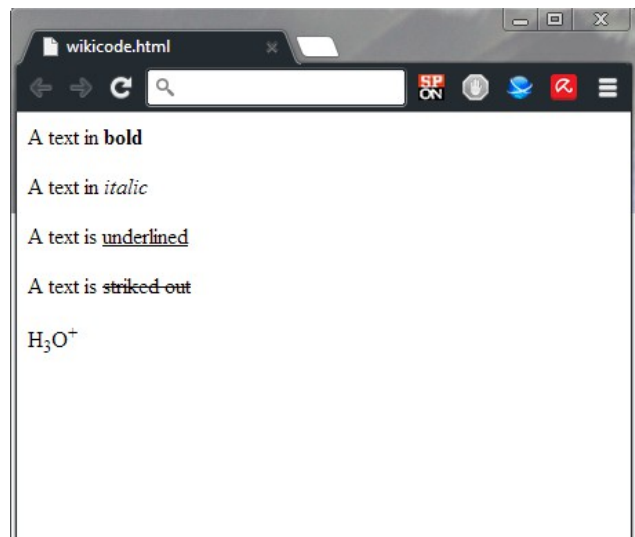
Code	Browser view

```html
<html>

<style>

</style>

<body>

<h1>First heading</h1>
<h2 style="color:red">Second heading</h2>

</body>


</html>
```

First heading

Second heading

```html
<html>

<style>

</style>


<body>

<p> A text in <b>bold</b></p>
<p> A text in <i>italic</i></p>
<p> A text is <u>underlined</u></p>
<p> A text is <strike>striked out</strike></p>
<p> H<sub>3</sub>O<sup>+</sup></p>

</body>


</html>
```
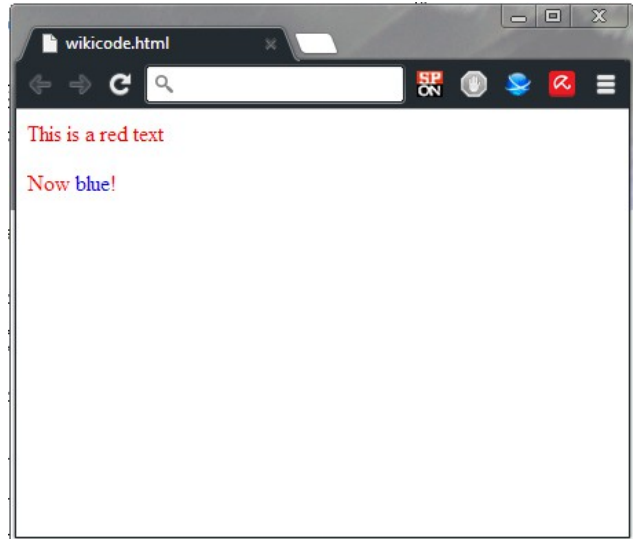
A text in **bold**

A text in *italic*

A text is underlined

A text is striked out

H_3O^+

Code	Browser view

```html
<html>

<style>

p{
        color:red;
}

</style>


<body>

<p> This is a red text</p>
<p>Now <font color="blue">blue</font>!</p>


</body>


</html>
```

wikicode.html

This is a red text

Now blue!

```html
<html>

<style>

</style>


<body>

<table>
        <tr>
                <th>Animal</th><th>Tree</th>
        </tr>
        <tr>
                <td>Cat</td><td>Cherry</td>
        </tr>
        <tr>
                <td>Dog</td><td>Oak</td>
        </tr>
</table>

</body>


</html>
```
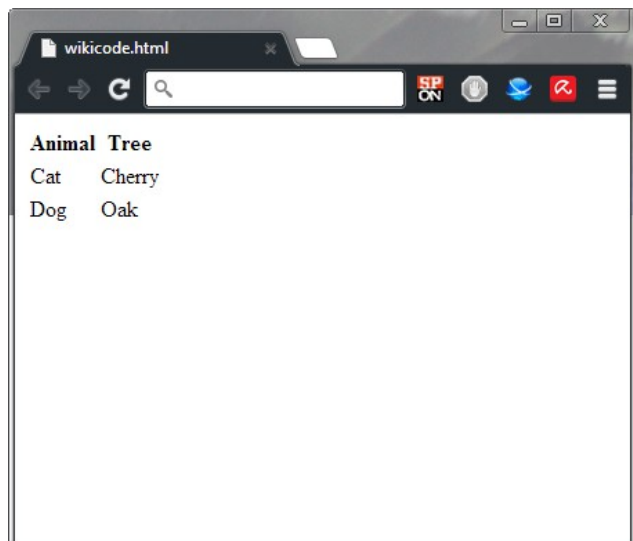
wikicode.html

Animal	Tree
Cat	Cherry
Dog	Oak

Code	Browser view

```html
<html>
<style>
</style>


<body>
<table border="1" cellspacing="10px"
        bgcolor="red" align="center">
        <tr>
                <th>Animal</th><th>Tree</th>
        </tr>
        <tr>
                <td>Cat</td><td>Cherry</td>
        </tr>
        <tr>
                <td>Dog</td><td>Oak</td>
        </tr>
</table>

</body>


</html>
```
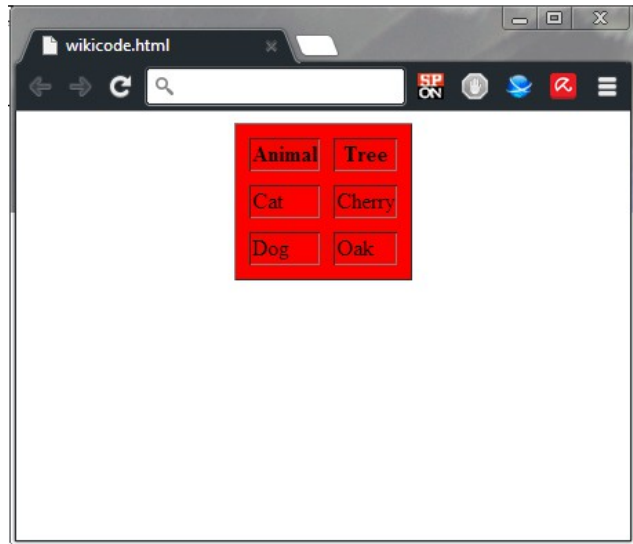
```html
<html>
<style>
</style>


<body>

<ul>
        <li>Bench</li>
        <li>Table</li>
        <ul>
                <li>Chair</li>
                <li>Lamp</li>
        </ul>
</ul>

</body>


</html>
```
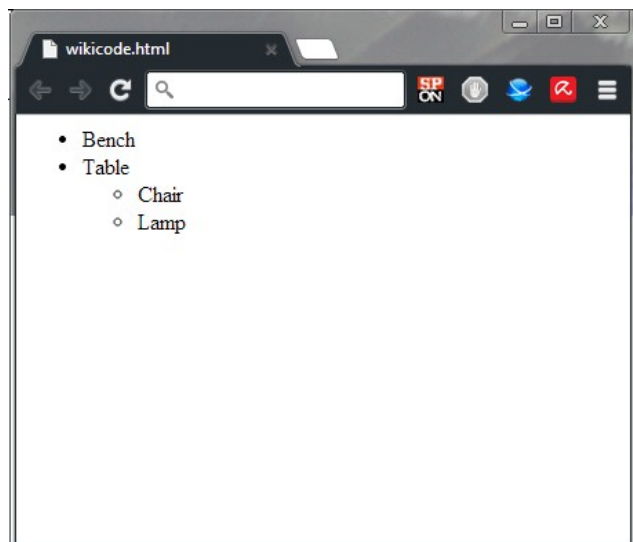
Code	Browser view

```html
<html>

<style>

</style>


<body>

<ol type="A">
        <li>Bench</li>
        <li>Table</li>
        <ol type="a">
                <li>Chair</li>
                <li>Lamp</li>
        </ul>
</ul>

</body>


</html>
```
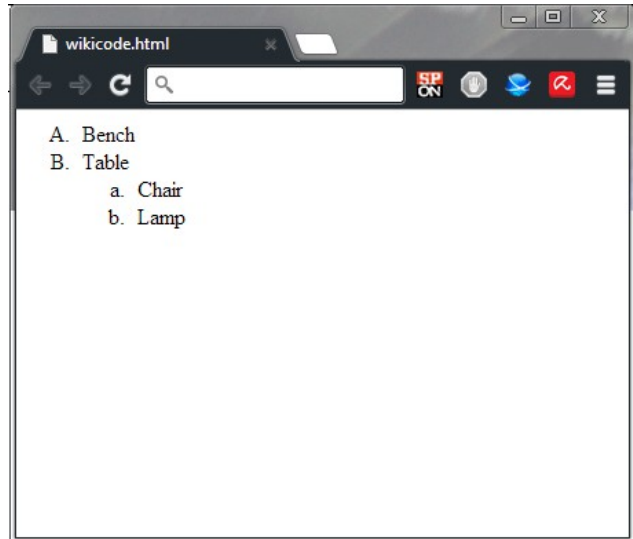


```html
<html>

<style>

</style>

<body>

<img src="http://2014.igem.org/images/wiki.png"
        height="100px" style="float:left"/>
<img src="http://2014.igem.org/images/wiki.png"
        height="100px" style="float:right"/>

</body>


</html>
```